

# ALMEMO® Measuring Instruments

## ALMEMO® 2450-1L



**Compact ALMEMO® measuring instrument**  
**1 measuring input,**  
**over 35 measuring ranges.**  
**Runs in battery mode**

### Technical data and functions

- Generously dimensioned 2-row segment display including units
- Easy and convenient to operate by means of 7 keys.
- Over 35 measuring ranges for
  - Thermocouple and NTC sensors  
For the customer's own sensors ready-to-use ALMEMO® connectors are available. (see chapter 07)
  - Atmospheric humidity sensor, capacitive, dewpoint sensor, water detection probe, moisture in wood FHA636MF (see chapter 08)
  - Pressure transducer FDA602L/D, FD8214, FD8612, Tachometer, turbine flowmeter (see chapter 10)
  - Current clamps FEA604, Voltage / current measuring modules ZA990xAB (see chapter 11)
- Meteorological radiation probe heads FLA613 (see chapter 12)
- Carbon dioxide sensor FYAD00CO2, Carbon monoxide probe and ozone probe (see chapter 15),
- ALMEMO® plugs with multi-point adjustment are supported.
- Measuring functions  
Measured value, zero-setting, saving of maximum / minimum values, hold function
- Test functions  
Segment monitoring, range monitoring, sensor breakage indication, battery voltage check and display.

### Technical data

Measuring input	1 ALMEMO® socket	Resolution	(see page 01.08 / 01.09)
Precision class	C (see page 01.06)	Linearization accuracy	(see page 01.08 / 01.09)
Measuring rate	2.5 mops	Sensor power supply	9 V, maximum 0.5 A
Measuring ranges (see 01.05 / 01.06)	NiCr-Ni(K), NiCroSil-NiSil(N), Fe-CuNi(L), Cu-CuNi(U), Cu-CuNi(T), PtRh10-Pt(S), Fe-CuNi(J), NTC Voltage Current Humidity, capacitive Dew point, mixture ratio, partial vapor pressure, enthalpy, rotating vanes, digital process (0 / 100 %), frequency, pulse, rotational speed, digital	Standard equipment LCD 7 segments 16 segments Keypad Power supply Battery set Current consumption Housing ABS (max. 70 °C) Environmental conditions and general technical data see page 01.04 onwards	Measured value 5 characters, 15 mm Function 4½ characters, 9 mm Units 2 characters, 9 mm 9 symbols 7 silicone keys 3 AA alkaline batteries approx. 10 mA without input modules 127 x 83 x 42 mm (LxWxH)

### Accessories

Rubberized impact protection, gray	<b>ZB2490GS2</b>
DIN rail mounting	<b>ZB2490HS</b>
Magnetic fastening	<b>ZB2490MH</b>
Instrument case	<b>ZB2490TK2</b>

### Standard delivery

Batteries, operating instructions, manufacturer's test certificate	<b>Order no.</b>
<b>Compact measuring instrument ALMEMO® 2450-1L</b>	<b>MA24501L</b>

DAkkS or works calibration KE90xx, electrical, for measuring instrument (see chapter „Calibration certificates“).  
 DAkkS calibration meets all the requirements regarding test resources laid down in DIN EN ISO/IEC 17025.